
Contents

1	Modifying the Natural History of Aortic Valve Stenosis	1
	Helena J. Heuvelman, Nalini Marie Rajamannan, and Johanna J.M. Takkenberg	
2	Cardiovascular Risk Factors for Calcific Aortic Valve Disease	9
	Mony Shuvy, Chaim Lotan, and Nalini Marie Rajamannan	
3	Bicuspid Aortic Valve Disease: From Bench to Bedside	17
	Philippe Sucaskey and Nalini Marie Rajamannan	
4	Experimental Evidence for the Role of Atherosclerosis in Calcific Aortic Valve Disease	23
	Malayannan Subramaniam, Thomas C. Spelsberg, and Nalini Marie Rajamannan	
5	The Electrocardiogram as a Risk Predictor in Asymptomatic Aortic Stenosis.	35
	Anders M. Greve and Kristian Wachtell	
6	Exercise Testing in Aortic Stenosis and in Mitral Regurgitation	47
	Patrizio Lancellotti and Julien Magne	
7	Detection of Calcium in the Aortic Valve by Non-invasive Imaging	59
	Antonia Delgado Montero, Alexandra Gonçalves, Nalini Marie Rajamannan, and José Luis Zamorano	
8	Assessment of Aortic Stenosis Severity: Determining Timing to Surgery.	65
	Philippe Pibarot and Jean G. Dumesnil	
9	Balloon Aortic Valvuloplasty	83
	M. Chrissoheris and K. Spargias	
10	Imaging for TAVI	93
	Alexandra Gonçalves and José Luis Zamorano	

11	Transcatheter Aortic Valve Implantation	103
	Margaret A. Lloyd and Charanjit S. Rihal	
12	Role of Statins in Valvular Heart Disease: Rheumatic Valve Disease and Bioprosthetic Valves.	111
	Francesco Antonini-Canterin, Luis Moura, and Nalini Marie Rajamannan	
13	Slowing the Progression of Aortic Stenosis: The Emerging Role of Bisphosphonates	123
	Sammy Elmariah	
14	LDL-Density-Theory: Clinical Trial Design for Aortic Valve Disease	133
	Nalini Marie Rajamannan	
15	Infective Endocarditis: New Recommendations and Perspectives	147
	Franck Thuny and Gilbert Habib	
16	Assessment and Timing to Intervention of Mitral Regurgitation	157
	José Juan Gómez de Diego and Nalini Marie Rajamannan	
17	Biology of Mitral Valve Disease	173
	Elena Aikawa and K. Jane Grande-Allen	
18	Mitral Valve Devices	187
	M.J. Swaans	
19	Anatomy and Pathology of Right-Sided Atrioventricular and Semilunar Valves.	211
	Cristina Basso, Denisa Muraru, Luigi Badano, and Gaetano Thiene	
20	Mechanisms, Evaluation and Management of Tricuspid Regurgitation	223
	Luigi P. Badano and Denisa Muraru	
	Index.	249

<http://www.springer.com/978-1-4471-4131-0>

Cardiac Valvular Medicine

Rajamannan, N. (Ed.)

2013, XIII, 254 p. 114 illus., 97 illus. in color., Hardcover

ISBN: 978-1-4471-4131-0